Amendments to the Specification:

Please replace the paragraph (or section) beginning at page 1, line 5, with the following redlined paragraph (or section):

CROSS REFERENCE TO RELATED APPLICATIONS

This application is a divisional of U.S. Utility Application No. 09/841,260, filed April 23, 2001, now abandoned, which is related to U.S. Provisional Application No. 60/198,853, filed April 21, 2000, and U.S. Provisional Application No. 60/219,752, filed July 20, 2000, which are incorporated by reference in their entireties.

Please replace the two paragraph beginning at page 105, line 25, with the following two redlined paragraphs (or section):

Two full-length recombinant proteins, CT622 and CT875, were expressed in E. coli. Both of these genes were identified using CtLGVII expression screening, but the serovar E homologues were expressed. The primers used to amplify these genes were based on serovar D sequences. The genes were amplified using serovar E genomic DNA as the template. Once amplified, the fragments were cloned in pET-17b with a N-terminal 6X-His Tag. After transforming the recombinant plasmid in XL-I blue cells, the DNA was prepared and the clones fully sequenced. The DNA was then transformed into the expression host BL21-pLysS cells (Novagen) for production of the recombinant proteins. The proteins were induced with IPTG and purified on Ni-NTA agarose using standard methods. The DNA sequences for CTE622 and CTE875 are disclosed in SEQ ID NO:28 and 27, respectively, and their amino acid sequences are disclosed in SEQ ID NO:~~140~~139 and ~~139~~140, respectively.

Five additional Chlamydia trachomatis genes were cloned. The Chlamydia trachomatis specific protein CT694, the protein CT695, and the L1 ribosomal protein, the DNA sequences of which are disclosed in SEQ ID NO:119, 120 and 121 respectively. The protein sequences of these 6X-histidine recombinant proteins are disclosed in SEQ ID NO: 122 (CT694), 123 (CT695), and 124 (L1 ribosomal protein). The genes CT875 and CT622, from serovar E were also cloned using pET17b as 6X-His fusion proteins. These recombinant proteins were

expressed and purified and their the amino acid sequences disclosed in SEQ ID NO:~~139~~ 140 and ~~140~~139, respectively.